



CINT2000 Result

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IBM Corporation

IBM eServer xSeries x206m (2.8GHz Pentium D 820, 1MB L2 Cache)

SPECint_rate2000 = 29.4

SPECint_rate_base2000 = 29.2

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Sep-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	151	21.5	2	150	21.7
175.vpr	2	173	18.8	2	168	19.3
176.gcc	2	71.1	35.9	2	71.1	35.9
181.mcf	2	179	23.4	2	179	23.3
186.crafty	2	96.1	24.1	2	96.5	24.0
197.parser	2	162	25.7	2	162	25.8
252.eon	2	73.7	40.9	2	73.9	40.8
253.perlbnk	2	109	38.2	2	109	38.5
254.gap	2	76.0	33.6	2	74.3	34.4
255.vortex	2	86.8	50.8	2	86.6	50.9
256.bzip2	2	162	21.4	2	161	21.6
300.twolf	2	216	32.2	2	216	32.2

Hardware

CPU: Intel Pentium D 820 (800 MHz system bus)
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) (on chip) per core
 Secondary Cache: 1024KB(I+D) (on chip) per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4 x 1024 MB ECC PC2-3200 Single Rank
 Disk Subsystem: 73GB SAS 15K RPM
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
 Compiler: Intel C/C++ Compiler 9.0 (20050624Z) for 32-bit applications
 Intel Fortran Compiler 9.0 (20050624Z) for 32-bit applications
 Microsoft Visual Studio .NET 13.0.9466 (for libraries)
 MicroQuill Smartheap Library 7.30
 File System: NTFS
 System State: Default

Notes/Tuning Information

GENERAL

ONESTEP=yes
 +FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca /F10000000
 186.crafty: -DNT_i386
 252.eon: srcalt=stdcpp
 253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

BASE TUNING

C: -fast -Qansi_alias +FDO shlw32M.lib
 C++: -fast -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast +FDO
 175.vpr: -fast +FDO
 176.gcc: basepeak=yes
 181.mcf: -fast +FDO shlw32M.lib
 186.crafty: -fast -Oa +FDO shlw32M.lib
 197.parser: -fast +FDO
 252.eon: -fast +FDO



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Notes/Tuning Information (Continued)

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253.perlbnk: -fast -Oa +FDO shlw32M.lib
254.gap:      -fast +FDO
255.vortex   -fast +FDO shlw32M.lib
256.bzip2:   -fast -Qunroll1 -Oa +FDO shlw32M.lib
300.twolf:   -fast +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 7.3
              www.microquill.com
```